



## 3.5mm Female Bulkhead to 3.5mm Female Cable Using PE-SR402FLJ Coax

### RF Cable Assemblies Technical Data Sheet

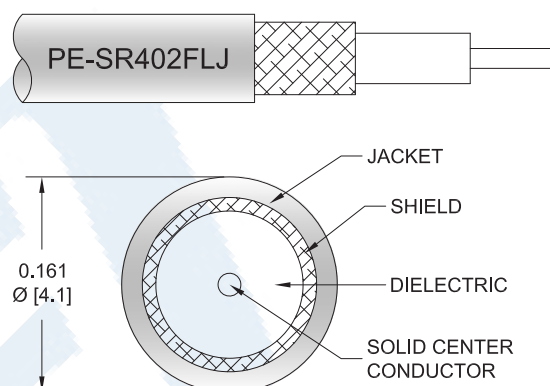
**PE3W13944**

#### Configuration

- Connector 1: 3.5mm Female Bulkhead
- Connector 2: 3.5mm Female
- Cable Type: PE-SR402FLJ

#### Features

- Shielding Effectivity > 100 dB
- 70% Phase Velocity
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W13944 3.5mm female bulkhead to 3.5mm female 12 inch cable using PE-SR402FLJ coax is part of our full line of RF components available for same-day shipping. Pasternack's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. This Pasternack 3.5mm to 3.5mm cable assembly has a female to female gender configuration with 50 ohm formable PE-SR402FLJ coax. Our RF cable assembly with 3.5mm bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

#### Electrical Specifications

| Description                   | Minimum | Typical     | Maximum | Units           |
|-------------------------------|---------|-------------|---------|-----------------|
| Velocity of Propagation       |         | 70          |         | %               |
| RF Shielding                  | 100     |             |         | dB              |
| Group Delay                   |         | 1.43 [4.69] |         | ns/ft [ns/m]    |
| Capacitance                   |         | 29 [95.14]  |         | pF/ft [pF/m]    |
| DC Resistance Inner Conductor |         | 8.23 [27]   |         | Ω/1000ft [Ω/Km] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [3.5mm Female Bulkhead to 3.5mm Female Cable Using PE-SR402FLJ Coax PE3W13944](#)



3.5mm Female Bulkhead to 3.5mm Female  
Cable Using PE-SR402FLJ Coax

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**PE3W13944**

**Mechanical Specifications**

**Cable Assembly**

Weight 0.025 lbs [11.34 g]

**Cable**

Cable Type PE-SR402FLJ  
Impedance 50 Ohms  
Inner Conductor Type Solid  
Inner Conductor Material and Plating Copper, Silver  
Dielectric Type PTFE  
Outer Conductor Material and Plating Tinned Copper Braid  
Jacket Material FEP, Black  
Jacket Diameter 0.161 in [4.09 mm]  
  
One Time Minimum Bend Radius 0.315 in [8 mm]  
Repeated Minimum Bend Radius 1.575 in [40.01 mm]

**Connectors**

| Description                   | Connector 1                | Connector 2                        |
|-------------------------------|----------------------------|------------------------------------|
| Type                          | 3.5mm Female Bulkhead      | 3.5mm Female                       |
| Impedance                     | 50 Ohms                    | 50 Ohms                            |
| Contact Material and Plating  | Gold                       | Beryllium Copper, Gold over Nickel |
| Contact Plating Specification |                            | 50 µin minimum                     |
| Dielectric Type               | PTFE                       | PCTFE                              |
| Body Material and Plating     | Passivated Stainless Steel | Passivated Stainless Steel         |
| Body Plating Specification    |                            | SAE-AMS-2700                       |

**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [3.5mm Female Bulkhead to 3.5mm Female Cable Using PE-SR402FLJ Coax PE3W13944](#)



## 3.5mm Female Bulkhead to 3.5mm Female Cable Using PE-SR402FLJ Coax

### RF Cable Assemblies Technical Data Sheet

**PE3W13944**

#### How to Order

Part Number Configuration:

**PE3W13944**

- **xx**

**uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches  
Length  
Base Number

Example: PE3W13944-12 = 12 inches long cable  
PE3W13944-100cm = 100 cm long cable

3.5mm Female Bulkhead to 3.5mm Female Cable Using PE-SR402FLJ Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [3.5mm Female Bulkhead to 3.5mm Female Cable Using PE-SR402FLJ Coax PE3W13944](#)

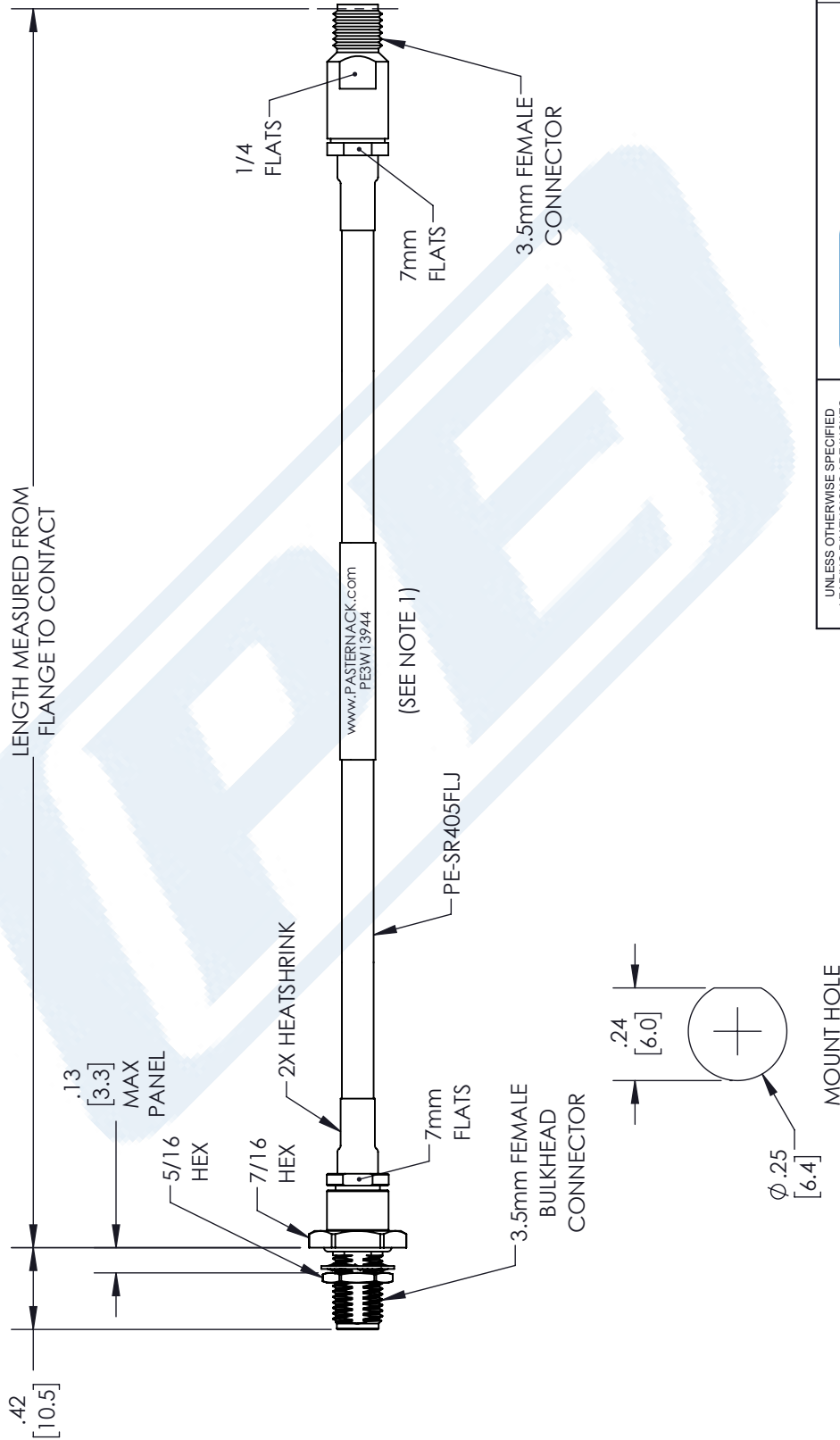
URL: <https://www.pasternack.com/3.5mm-female-bulkhead-to-3.5mm-female-cable-12-inch-length-using-pe-sr402flj-pe3w13944-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

# PE3W13944 CAD Drawing

3.5mm Female Bulkhead to 3.5mm Female Cable Using PE-SR402FLJ Coax

| REVISIONS |                 |            |          |
|-----------|-----------------|------------|----------|
| REV.      | DESCRIPTION     | DATE       | APPROVED |
| A         | INITIAL RELEASE | 08/10/2022 | AGANWANI |



## NOTES:

1. CABLES 36" AND UNDER HAVE 1 LABEL CENTERED. CABLES OVER 36" HAVE 2 LABELS, ONE AT EACH END 6.0" FROM END OF CONNECTOR

UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:  
X = ±.2 [5.08] FRACTIONS  
.XX = ±.02 [.51] ANGLES ± 1°  
.XXX = ±.005 [.13] CABLE LENGTH (L) TOLERANCES:  
L ≤ 12 [305] = +1 [25] / -0  
12 [305] < L ≤ 60 [1524] = +2 [51] / -0  
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0  
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0  
300 [7620] < L = +5% / -0

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.

**PE PASTERNAK**  
an INFINITI® brand

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SHEET 1 OF 1

SCALE N/A

SIZE A

CAGE CODE 53919

DRAWN BY BPUCHASKI

ITEM NO. PE3W13944

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